

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	26	("20040251027" "20050006102" "4306622" "4427059" "4825953" "4886115" "5575331" "5720348" "6116344" "6135206" "6789627" "6805197").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/23 17:43
S2	2383	(166/297 166/298 166/381 166/54.5 166/54.6 166/55.1 166/55.2).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:53
S3	1031	S2 and (cut sever cutting severing split splitting slice slicing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/27 17:45
S4	934	S3 and (cable conduit control line hose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/27 17:43
S5	223	S2 and ((cut sever cutting severing split splitting slice slicing) near3 (cable conduit control line hose))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 13:44
S6	230658	(cut sever cutting severing split splitting slice slicing) near3 (cable conduit control line hose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 13:45
S7	111602	S6 and (well wellbore downhole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 13:46
S8	13775	S7 and (mandrel casing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 15:08
S9	1543	S8 and helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 15:12

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S10	5599	S8 and (collar sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 15:13
S11	902	S10 and helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:59
S12	55	(wellbore downhole) near3 (cut cutting sever severing) near3 (cable conduit control line)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/28 20:52
S13	5	(helical helix) near3 (cutter blade) near3 (sleave collar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:59
S14	2384	(166/297 166/298 166/381 166/54.5 166/54.6 166/55.1 166/55.2).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:01
S15	1032	S14 and (cut sever cutting severing split splitting slice slicing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:01
S16	35	("2185303"   "2794619"   "2825536"   "3010515"   "3023811"   "3193013"   "3358765"   "3872926"   "3926252"   "4160478"   "4237972"   "4341264"   "4455746"   "4509593"   "4512411"   "4540046"   "4660635"   "4678038"   "4844660"   "4862964"   "4886115"   "4969514"   "5318139"   "5477921"   "5720348"   "5778978"   "6125834"   "6155150").PN. OR ("6805197"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 13:49

## EAST Search History

S17	20	("3193013"   "3731742"   "3926252"   "4160478"   "4427059"   "4512411"   "4653776"   "4660635"   "4706744"   "4738312"   "4753291"   "4759406"   "4981177"   "4997041"   "5201814"   "5257663"   "5323853"   "5720348"   "6397948").PN. OR ("6789627").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 13:55
S18	7	("3193013").URPN.	USPAT	OR	ON	2006/03/01 15:52
S19	382150	(wire?line slick?line cable cord chord wire conduit (control adj line)) near5 (passage conduit passageway (through?hole) shaft orifice channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:59
S20	214645	S19 and (well?bore wellbore well bore?hole borehole subterranean underground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:05
S21	13074	S19 and (well?bore wellbore bore?hole borehole subterranean underground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:05
S22	5577	S21 and rotat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:13
S23	940	S22 and ((casing tubular tubing mandrel) near5 (sleeve collar base))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:29
S24	556	S23 and ((longitud\$6 upward\$2 vertical\$2) near5 (pull\$3 motion mov\$3 forc\$3 push\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 16:55
S25	296	S24 and ((longitud\$6 upward\$2 vertical\$2) with (rotat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 17:13
S26	144	S24 and (upward\$2 with rotat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:20

## EAST Search History

S27	382374	(wire?line slick?line cable cord chord wire conduit (control adj line)) near5 (passage conduit passageway (through?hole) shaft orifice channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S28	13081	S27 and (well?bore wellbore bore?hole borehole subterranean underground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S29	5580	S28 and rotat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S30	940	S29 and ((casing tubular tubing mandrel) near5 (sleeve collar base))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S31	556	S30 and ((longitud\$6 upward\$2 vertical\$2) near5 (pull\$3 motion mov\$3 forc\$3 push\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S32	28	S31 and (upward\$2 with (rotat\$4 near5 (sleeve collar base)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 09:22
S33	382374	(wire?line slick?line cable cord chord wire conduit (control adj line)) near5 (passage conduit passageway (through?hole) shaft orifice channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:28
S34	13081	S33 and (well?bore wellbore bore?hole borehole subterranean underground)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:28
S35	5580	S34 and rotat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:28
S36	940	S35 and ((casing tubular tubing mandrel) near5 (sleeve collar base))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:28

## EAST Search History

S37	556	S36 and ((longitud\$6 upward\$2 vertical\$2) near5 (pull\$3 motion mov\$3 forc\$3 push\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:28
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